CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KN/11/2020-2021

Date: 02.04.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.
Agency	**: Sri. K Narayanaswamy,** Contractor, Bangalore.
Name of the work	: Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.03.2021	02.04.2021	8.056	715.6	31.80
2	05.03.2021	02.04.2021	8.037	728.9	32.40
3	05.03.2021	02.04.2021	8.025	734.5	32.64

Note:

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KN/11/2020-2021

Date: 12.03.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.
Agency	**: Sri. K Narayanaswamy,** Contractor, Bangalore.
Name of the work	: Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.03.2021	12.03.2021	8.157	502.3	22.32
2	05.03.2021	12.03.2021	8.169	525.8	23.37
3	05.03.2021	12.03.2021	8.027	532.4	23.66

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Job No.: CQCE/BBMP/KN/11/2020-2021

Date: 02.04.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.
Agency	**: Sri. K Narayanaswamy,** Contractor, Bangalore.
Name of the work	: Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.03.2021	02.04.2021	8.158	708.5	31.49
2	05.03.2021	02.04.2021	8.260	713.2	31.70
3	05.03.2021	02.04.2021	8.134	737.7	32.79

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Job No.: CQCE/BBMP/KN/11/2020-2021

Date: 12.03.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.
Agency	: **Sri. K Narayanaswamy,** Contractor, Bangalore.
Name of the work	: Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.03.2021	12.03.2021	8.159	507.9	22.57
2	05.03.2021	12.03.2021	8.122	526.3	23.39
3	05.03.2021	12.03.2021	8.034	532.1	23.65

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Job No.: CQCE/BBMP/KN/11/2020-2021

Date: 02.04.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.

Agency : **Sri. K Narayanaswamy,** Contractor, Bangalore.

Name of the work : Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.03.2021	02.04.2021	8.006	711.0	31.60
2	05.03.2021	02.04.2021	8.013	721.0	32.04
3	05.03.2021	02.04.2021	8.057	731.0	32.49

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Job No.: CQCE/BBMP/KN/11/2020-2021

03.03.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.
Contractor	**: Sri. K Narayanaswamy,** Contractor, Bangalore.
Name of the work	: Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.02.2021	03.03.2021	8.162	396.2	17.61
2	24.02.2021	03.03.2021	8.133	400.5	17.80
3	24.02.2021	03.03.2021	8.021	423.5	18.82

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Job No.: CQCE/BBMP/KN/11/2020-2021

24.03.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.

Contractor : **Sri. K Narayanaswamy,** Contractor, Bangalore.

Name of the work : Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.02.2021	24.03.2021	8.196	596.7	26.52
2	24.02.2021	24.03.2021	8.134	602.8	26.79
3	24.02.2021	24.03.2021	8.174	635.4	28.24

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Job No.: CQCE/BBMP/KN/11/2020-2021

26.10.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.

Contractor : **Sri. K Narayanaswamy,** Contractor, Bangalore.

Name of the work : Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.10.2020	26.10.2020	8.115	408.9	18.17
2	19.10.2020	26.10.2020	8.162	427.5	19.00
3	19.10.2020	26.10.2020	8.121	432.6	19.23

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Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Job No.: CQCE/BBMP/KN/11/2020-2021 16.11.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.
Contractor	**: Sri. K Narayanaswamy,** Contractor, Bangalore.
Name of the work	: Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.10.2020	16.11.2020	8.185	582.3	25.88
2	19.10.2020	16.11.2020	8.196	597.8	26.57
3	19.10.2020	16.11.2020	8.112	600.2	26.68

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KN/11/2020-2021

17.02.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.

Contractor : **Sri. K Narayanaswamy,** Contractor, Bangalore.

Name of the work : Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.02.2021	17.02.2021	8.164	416.8	18.52
2	10.02.2021	17.02.2021	8.121	425.3	18.90
3	10.02.2021	17.02.2021	8.169	432.1	19.20

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Job No.: CQCE/BBMP/KN/11/2020-2021

10.03.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.

Contractor : **Sri. K Narayanaswamy,** Contractor, Bangalore.

Name of the work : Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.02.2021	10.03.2021	8.150	616.9	27.42
2	10.02.2021	10.03.2021	8.169	628.2	27.92
3	10.02.2021	10.03.2021	8.120	635.0	28.22

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Job No.: CQCE/BBMP/KN/11/2020-2021

27.04.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.

Contractor : **Sri. K Narayanaswamy,** Contractor, Bangalore.

Name of the work : Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2021	27.04.2021	8.157	411.2	18.28
2	20.04.2021	27.04.2021	8.022	425.3	18.90
3	20.04.2021	27.04.2021	8.163	432.1	19.20

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Job No.: CQCE/BBMP/KN/11/2020-2021

18.05.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.

Contractor : **Sri. K Narayanaswamy,** Contractor, Bangalore.

Name of the work : Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2021	18.05.2021	8.116	601.8	26.75
2	20.04.2021	18.05.2021	8.121	626.9	27.86
3	20.04.2021	18.05.2021	8.193	632.1	28.09

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Job No.: CQCE/BBMP/KN/11/2020-2021

18.05.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.

Contractor : **Sri. K Narayanaswamy,** Contractor, Bangalore.

Name of the work : Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2021	18.05.2021	8.116	601.8	26.75
2	20.04.2021	18.05.2021	8.121	626.9	27.86
3	20.04.2021	18.05.2021	8.193	632.1	28.09

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KN/11/2020-2021 Date 05.10.2020

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : **Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.

Agency : **Sri. K Narayanaswamy,** Contractor, Bangalore.

Name of the Work : Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore

Date of Testing 05.10.2020

Size of Blocks : 400mm x 200mm x 200mm

Cross Sectional Area : 80000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	33.5	401.2	5.02	2093.75	Minimum required Compressive Strength of Individual Units 5.00N/mm^2
2	Block 2	34.8	415.6	5.20	2175.00	
3	Block 3	35.6	424.8	5.31	2225.00	
4	Block 4	36.2	432.1	5.40	2262.50	

Note:

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3. Any Query regarding the report must be reported within 30 days from the date of testing.

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Authorised Signatory

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KN/11/2020-2021

Date 21.12.2020

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : **Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.

Agency : **Sri. K Narayanaswamy,** Contractor, Bangalore.

Name of the Work : Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore

Date of Testing 21.12.2020

Size of Blocks : 400mm x 200mm x 200mm

Cross Sectional Area : 80000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	33.2	410.0	5.13	2075.00	Minimum required Compressive Strength of Individual Units 5.00 N/mm^2
2	Block 2	34.9	420.0	5.25	2181.25	
3	Block 3	35.6	430.0	5.38	2225.00	
4	Block 4	36.1	440.0	5.50	2256.25	

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Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KN/11/2020-2021

Date 14.02.2021

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : **Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.

Agency : **Sri. K Narayanaswamy,** Contractor, Bangalore.

Name of the Work : Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore

Date of Testing 14.02.2021

Size of Blocks : 400mm x 200mm x 200mm

Cross Sectional Area : 80000 mm^2

Technical Reference : IS: 2185 (Part 1) -2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	33.1	405.6	5.07	2068.75	Minimum required Compressive Strength of Individual Units 5.00N/mm^2
2	Block 2	34.2	413.2	5.17	2137.50	
3	Block 3	35.3	427.8	5.35	2206.25	
4	Block 4	36.4	433.6	5.42	2275.00	

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KN/11/2020-2021 Date: 05.02.2021

TEST REPORT

CLIENT	:	**: Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.
AGENCY	:	**: Sri. K Narayanaswamy,** Contractor, Bangalore.
NAME OF THE WORK	:	: Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore
Type of the test	:	Physical tests on Paver Blocks
Date of Testing	:	05.02.2021
Samples supplied by	:	Agency

The results of the tests conducted on the Paver Blocks sample are as follows:

1. **THICKNESS:**

Sl. No	Identification	Thickness, mm	Average thickness, mm
1	01	75.14	75.16
2	02	75.18	

2. **COMPRESSIVE STRENGTH:**

Sl. No	Identification	Load in Kilo-Newton	Cross sectional area, mm^2	Compressive strength N/mm^2	Compressive strength Kg/m^2	Requirement as Specification
1	01	695.8	24,200	28.71	287.1	Minimum required Compressive Strength of Individual Units 281 Kg/m^2
2	02	691.1	24,200	28.57	285.7	

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KN/11/2020-2021

Date: 05.10.2020

KERB STONE (CORE) TEST REPORT

Client	:	: **Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.
Agency	:	: **Sri. K Narayanaswamy,** Contractor, Bangalore.
Name of Work	:	: Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore
No.of Sample Tested	:	03
Date of Testing	:	05.10.2020
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	78.00	0.359	2344.07	1.56	0.952	25.60	13.04	14.08	13.41	16.76
2	50.00	82.00	0.380	2360.15	1.64	0.961	26.30	13.39	14.47	13.90	17.38
3	50.00	85.00	0.399	2393.09	1.70	0.968	27.80	14.16	15.29	14.80	18.49

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KN/11/2020-2021

Date: 21.12.2020

KERB STONE (CORE) TEST REPORT

Client	:	: **Assistant Executive Engineer,** Project Yelahanka Division, BBMP, Bangalore.
Agency	:	: **Sri. K Narayanaswamy,** Contractor, Bangalore.
Name of Work	:	: Development of Vidyaranyapura Burial Ground Ward No.11, BBMP, Bangalore
No.of Sample Tested	:	03
Date of Testing	:	21.12.2020
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	79.00	0.363	2339.54	1.58	0.955	25.20	12.83	13.86	13.23	16.54
2	50.00	83.00	0.383	2350.12	1.66	0.963	26.80	13.65	14.74	14.20	17.75
3	50.00	86.00	0.404	2392.51	1.72	0.970	27.50	14.01	15.13	14.67	18.34

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